

Work Order ID 132199

132199

Page 1

Friday, May 01, 2015 10:58:50 AM

Item ID: D3172-041 Accept *N900040100* Setup Start *NS1*

Revision ID: Stop *NS2*

Item Name: Basket Base Assembly

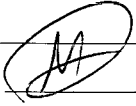
Start Date: 5/18/15 Start Qty: 1.00 *1*

Required Date: 5/22/15 Req'd Qty: 1.00 *1*

Cust Item ID:

Customer:

Reference:

Approvals: Process Plan:  Date: 15-5-1 Tooling: Date:

QC: Date: SPC (Y/N): Date:

Run Start *NR1*

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D3172	Rev C

100	Large Fab	0.00							
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100

Large Fab

Memo

1-Cut Qty 4 D3166-1 as per Dwg D3172

2-Cut 3/4" x 3/4" square tubing as per Dwg D3172

3-Drill holes in D3172-3 as per Dwg D3172

4-Deburr & Remove all markings from material

5-Weld as per Dwg D3172 using Welding Table and corner Jig & D3172T1

6- Use DT 8996 jig to locate D3174-1 as per dwg

7- Deburr

1x CC 15-5-28

110	QC9- Inspect visual per QSI004- Fusion Welds	0.00							
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110

QC

Memo

Quality Control

150601 PD

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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Page 2

Item ID: D3172-041 Accept ***N900040100*** Setup Start ***NS1***
Revision ID:
Item Name: Basket Base Assembly Stop ***NS2***
Start Date: 5/18/15 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 5/22/15 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC6- Inspect dimensions to drawing	0.00							
120									
QC	Memo	0.00							
Quality Control									
125	Pressure Wash per QSI005 4.3	0.00							
125									
HandFinish	Memo	0.00							
Hand Finishing									

2 15-06-01 111 15-6-2 **DAS 34 989**

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor Approval Verification		
			QC / QA Coordinator Approval		
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
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Item ID: D3172-041 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Basket Base Assembly
Start Date: 5/18/15 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 5/22/15 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum	0.00							
130	<i>M131545.</i>								
Powdercoat	Memo	0.00							
Powder Coating	1ST COAT: START TIME: <i>12:10</i> OVEN TEMPERATURE: <i>400°</i> FINISH TIME: <i>10:40.</i>								
	***** 2nd coat if necessary*****								
	2ND COAT: START TIME: <i>11:00</i> OVEN TEMPERATURE: <i>400°</i> FINISH TIME: <i>11:30.</i>								

DQA: _____ Date: _____



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Work Order update only ☐

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150	Identify as per dwg & Stock Location: <u>w/o</u>	0.00							
150									
Packaging	Memo	0.00							
Packaging									
160	QC21- Final Inspection - Work Order Release	0.00							
160									
QC	Memo	0.00							
Quality Control									

ML5 JUN 08 2015

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Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐																	
OTHER :																						

Picklist Print

Friday, May 01, 2015 10:58:55 AM

Page 1

Work Order ID: 132199

132199

Parent Item: D3172-041

D3172-041

Parent Item Name: Basket Base Assembly

Start Date: 5/18/15

Required Date: 5/22/15

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP Rev:B04.01.05Added Step 5 inspectionKJ/RF

IPP Rev:C 08-08-29 revC as per dwg DD verified by:EC

IPP Rev:D

11.04.04 added pressure wash DD VERF:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D2012-117

Manufactured No

100

Each

38.0000

2

2

D2012-117

Clevis

**

DL 15/5/20

Location

Loc Qty

Loc Code

WA004

38

124563

11

125440

7

127735

10

131990

10

2 124563

D2232-3

Manufactured No

100

Each

32.0000

2

2

D2232-3

Basket Hinge

**

DL 15/5/20

Location

Loc Qty

Loc Code

WA004

32

101778

12

115847

20

DL 15/5/20

D2327-3

Manufactured No

100

Each

32.0000

2

2

D2327-3

Spacer Bushing

**

DL 15/5/20

Location

Loc Qty

Loc Code

WA004

32

100523

23

103679

9

2 100523

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER : _____							

Picklist Print

Friday, May 01, 2015 10:58:55 AM

Page 2

Work Order ID: 132199

132199

Parent Item: D3172-041

D3172-041

Parent Item Name: Basket Base Assembly

Start Date: 5/18/15

Required Date: 5/22/15

Start Qty: 1.00

Required Qty: 1.00

D2581

Manufactured No

100

Each

83.0000

2

D2581

Mounting Bracket

**

(2)

DL 15/5/20

Location

Loc Qty

Loc Code

WA004

83

102265

34

127716

33

131144

16

2 102265

D3166-1

Manufactured No

100

Each

22.0000

4

D3166-1

Basket Hoop

**

(4)

DL 15/5/20

Location

Loc Qty

Loc Code

WA004

22

125269

8

125270

2

127860

12

B 131853 2X
B 125807 2X

D3174-1

Manufactured No

100

Each

18.0000

8

D3174-1

Mounting Lug

**

(8)

DL 15/5/20

Location

Loc Qty

Loc Code

WA004

18

107013

7

125415

10

131970

1

7 107013
1 131970

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Large Fab ☐	Composite ☐	Supplier ☐																							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition			Completed By																		
Root Cause		FAULT CATEGORY																							
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Picklist Print

Friday, May 01, 2015 10:58:56 AM

Page 3

Work Order ID: 132199

132199

Parent Item: D3172-041

D3172-041

Parent Item Name: Basket Base Assembly

Start Date: 5/18/15

Required Date: 5/22/15

Start Qty: 1.00

Required Qty: 1.00

M304EX0.75-16F

Purchased

No

100

sf

870.8612

48

48

M304EX0 75-16F

Expanded Metal Flat SS

**

CC 15-5-28

Location

Loc Qty

Loc Code

WA004

302

M131848

302

WA006

568.8612

M131107

129.8612

M131629

439

M304TS0.750W.065

Purchased

No

100

f

1,083.350

51

54

M304TS0 750W 065

304 SQ Tube .75x.75x.065W

**

CC 15-5-28

Location

Loc Qty

Loc Code

WA004

1083.35

125513

14

m128495

152.35

m132190

317

m132190

600

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

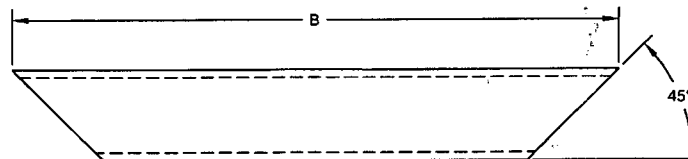
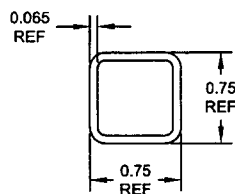
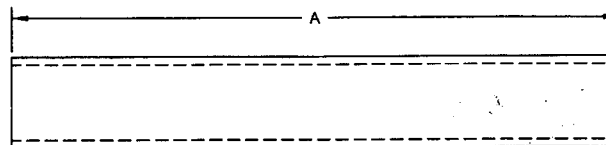
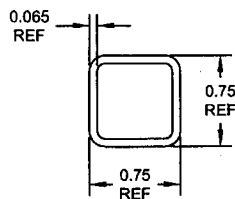
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																
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OTHER : _____																																																																				

PARTS LIST FOR D3172-041 BASKET BASE ASSEMBLY

PART NO	QUANTITY	LENGTH A	LENGTH B	DESCRIPTION
D3172-1	2	—	96.00	RIB
D3172-3	2	—	25.50	RIB
D3172-5	6	33.09	—	RIB
D3172-7	3	26.81	—	RIB
D3172-9	1	94.50	N/A	RIB
D2012-117	4	N/A	N/A	CLEVIS
D2327-3	2	N/A	N/A	BUSHING
D2581	2	N/A	N/A	MOUNTING BRACKET
D2232-3	2	N/A	N/A	HINGE PLATE
D3166-1	4	N/A	N/A	RIB
D3174-1	8	N/A	N/A	MOUNTING LUG



RELEASED
08-05-21/17

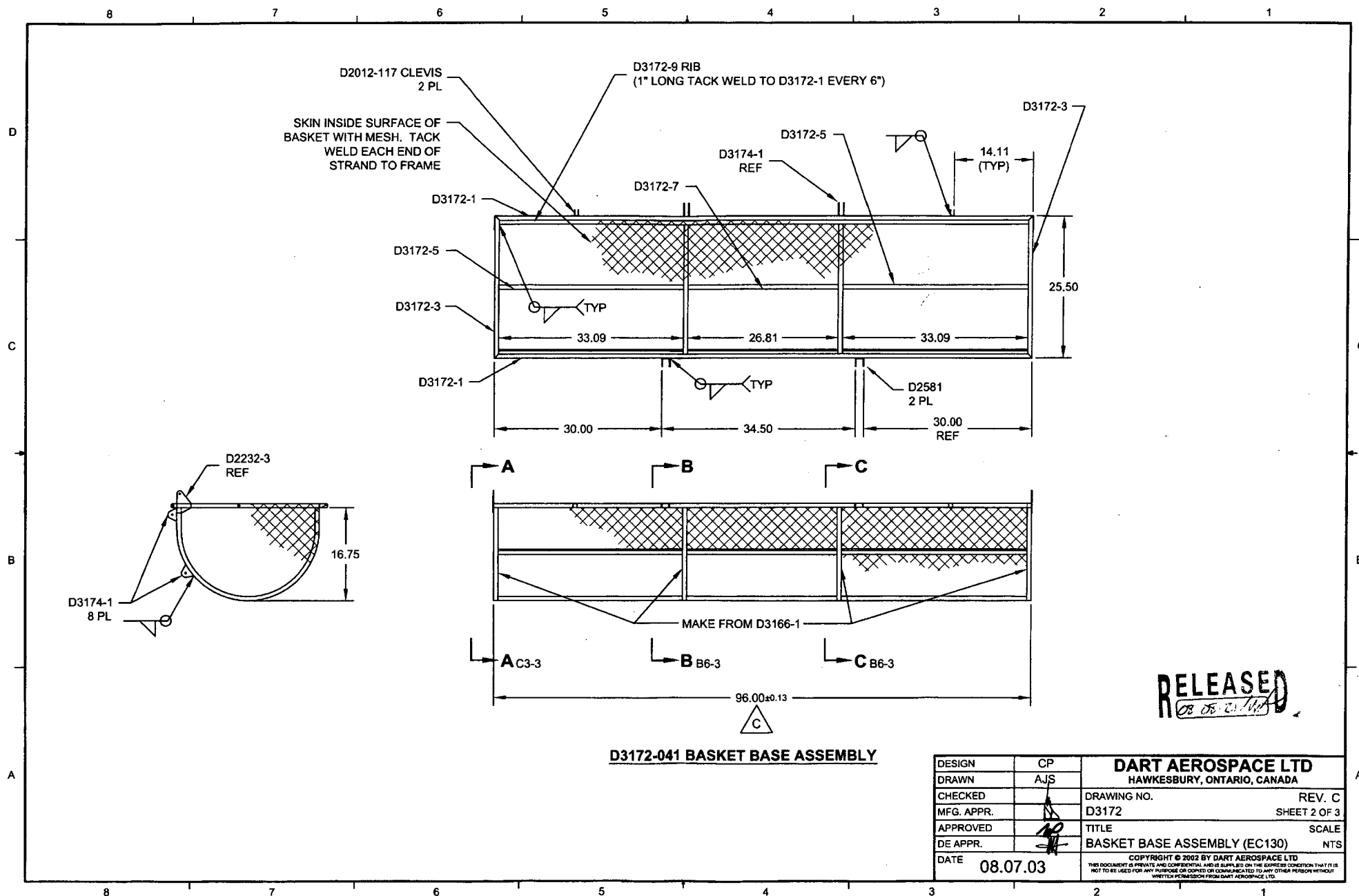


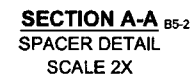
NOTES:

- 1) MATERIAL: AISI 304/316 SS, 3/4 X 3/4 X 0.065 WALL SQUARE TUBING
REF. DART SPEC M304TS0.750W.065
- 2) MESH MATERIAL: 3/4-16F EXPANDED SS
REF DART SPEC M304EX0.75-16F
- 3) FINISH: POWDER COAT ENTIRE ASSEMBLY WHITE (4.3.5.2) PER DART QSI 005 4.3
- 4) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 7) IDENTIFICATION: NONE
- 8) WEIGHT: N/A
- 9) WELD PER DART QSI 004

15-5-1
132199

REV.	DESCRIPTION	BY	DATE
C	FRAME MATERIAL WAS 0.060 WALL. MESH MATERIAL UPDATED. DRAWING MOVED TO "B" FORMAT AND UPDATED TO CURRENT STANDARDS.	AJS	08.07.03
B	ADD D3172-9 & D2012-117	CP	03.01.07
A	NEW ISSUE	DS	02.12.02
DESIGN	CP	DART AEROSPACE LTD	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		D3172	SHEET 1 OF 3
APPROVED		TITLE	SCALE
DE APPR.		BASKET BASE ASSEMBLY (EC130)	NTS
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